

ENERGY POLICY ACT OF 2005

JULY 27, 2005.—Ordered to be printed

Mr. BARTON of Texas, from the committee of conference,
submitted the following

CONFERENCE REPORT

[To accompany H.R. 6]

The committee of conference on the disagreeing votes of the two Houses on the amendment of the Senate to the bill (H.R. 6), to ensure jobs for our future with secure, affordable, and reliable energy, having met, after full and free conference, have agreed to recommend and do recommend to their respective Houses as follows:

That the House recede from its disagreement to the amendment of the Senate and agree to the same with an amendment as follows:

In lieu of the matter proposed to be inserted by the Senate amendment, insert the following:

SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

(a) *SHORT TITLE.*—*This Act may be cited as the “Energy Policy Act of 2005”.*

(b) *TABLE OF CONTENTS.*—*The table of contents of this Act is as follows:*

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- Sec. 226. Assessment of geothermal energy potential.*
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- Sec. 229. Authorities of Secretary to readjust terms, conditions, rentals, and royalties.*
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- Sec. 237. Intermountain West Geothermal Consortium.*

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Subtitle B—Underground Storage Tank Compliance

- Sec. 1521. Short title.*
- Sec. 1522. Leaking underground storage tanks.*
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Subtitle C—Boutique Fuels

- Sec. 1541. Reducing the proliferation of boutique fuels.*

TITLE XVI—CLIMATE CHANGE

Subtitle A—National Climate Change Technology Deployment

- Sec. 1601. Greenhouse gas intensity reducing technology strategies.*

Subtitle B—Climate Change Technology Deployment in Developing Countries

- Sec. 1611. Climate change technology deployment in developing countries.*

TITLE XVII—INCENTIVES FOR INNOVATIVE TECHNOLOGIES

- Sec. 1701. Definitions.*
- Sec. 1702. Terms and conditions.*

- Sec. 1703. *Eligible projects.*
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TITLE XVIII—STUDIES

- Sec. 1801. *Study on inventory of petroleum and natural gas storage.*
 Sec. 1802. *Study of energy efficiency standards.*
 Sec. 1803. *Telecommuting study.*
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 Sec. 1806. *Total integrated thermal systems.*
 Sec. 1807. *Report on energy integration with Latin America.*
 Sec. 1808. *Low-volume gas reservoir study.*
 Sec. 1809. *Investigation of gasoline prices.*
 Sec. 1810. *Alaska natural gas pipeline.*
 Sec. 1811. *Coal bed methane study.*
 Sec. 1812. *Backup fuel capability study.*
 Sec. 1813. *Indian land rights-of-way.*
 Sec. 1814. *Mobility of scientific and technical personnel.*
 Sec. 1815. *Interagency review of competition in the wholesale and retail markets for electric energy.*
 Sec. 1816. *Study of rapid electrical grid restoration.*
 Sec. 1817. *Study of distributed generation.*
 Sec. 1818. *Natural gas supply shortage report.*
 Sec. 1819. *Hydrogen participation study.*
 Sec. 1820. *Overall employment in a hydrogen economy.*
 Sec. 1821. *Study of best management practices for energy research and development programs.*
 Sec. 1822. *Effect of electrical contaminants on reliability of energy production systems.*
 Sec. 1823. *Alternative fuels reports.*
 Sec. 1824. *Final action on refunds for excessive charges.*
 Sec. 1825. *Fuel cell and hydrogen technology study.*
 Sec. 1826. *Passive solar technologies.*
 Sec. 1827. *Study of link between energy security and increases in vehicle miles traveled.*
 Sec. 1828. *Science study on cumulative impacts of multiple offshore liquefied natural gas facilities.*
 Sec. 1829. *Energy and water saving measures in congressional buildings.*
 Sec. 1830. *Study of availability of skilled workers.*
 Sec. 1831. *Review of Energy Policy Act of 1992 programs.*
 Sec. 1832. *Study on the benefits of economic dispatch.*
 Sec. 1833. *Renewable energy on Federal land.*
 Sec. 1834. *Increased hydroelectric generation at existing Federal facilities.*
 Sec. 1835. *Split-estate Federal oil and gas leasing and development practices.*
 Sec. 1836. *Resolution of Federal resource development conflicts in the Powder River Basin.*
 Sec. 1837. *National security review of international energy requirements.*
 Sec. 1838. *Used oil re-refining study.*
 Sec. 1839. *Transmission system monitoring.*
 Sec. 1840. *Report identifying and describing the status of potential hydropower facilities.*

SEC. 2. DEFINITIONS.

Except as otherwise provided, in this Act:

(1) **DEPARTMENT.**—*The term “Department” means the Department of Energy.*

(2) **INSTITUTION OF HIGHER EDUCATION.**—

(A) **IN GENERAL.**—*The term “institution of higher education” has the meaning given the term in section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)).*

(B) **INCLUSION.**—*The term “institution of higher education” includes an organization that—*

(i) is organized, and at all times thereafter operated, exclusively for the benefit of, to perform the functions of, or to carry out the functions of 1 or more organizations referred to in subparagraph (A); and

(ii) is operated, supervised, or controlled by or in connection with 1 or more of those organizations.

(3) NATIONAL LABORATORY.—The term “National Laboratory” means any of the following laboratories owned by the Department:

- (A) Ames Laboratory.
- (B) Argonne National Laboratory.
- (C) Brookhaven National Laboratory.
- (D) Fermi National Accelerator Laboratory.
- (E) Idaho National Laboratory.
- (F) Lawrence Berkeley National Laboratory.
- (G) Lawrence Livermore National Laboratory.
- (H) Los Alamos National Laboratory.
- (I) National Energy Technology Laboratory.
- (J) National Renewable Energy Laboratory.
- (K) Oak Ridge National Laboratory.
- (L) Pacific Northwest National Laboratory.
- (M) Princeton Plasma Physics Laboratory.
- (N) Sandia National Laboratories.
- (O) Savannah River National Laboratory.
- (P) Stanford Linear Accelerator Center.
- (Q) Thomas Jefferson National Accelerator Facility.

(4) SECRETARY.—The term “Secretary” means the Secretary of Energy.

(5) SMALL BUSINESS CONCERN.—The term “small business concern” has the meaning given the term in section 3 of the Small Business Act (15 U.S.C. 632).

TITLE I—ENERGY EFFICIENCY

Subtitle A—Federal Programs

SEC. 101. ENERGY AND WATER SAVING MEASURES IN CONGRESSIONAL BUILDINGS.

(a) IN GENERAL.—Part 3 of title V of the National Energy Conservation Policy Act (42 U.S.C. 8251 et seq.) is amended by adding at the end the following:

“SEC. 552. ENERGY AND WATER SAVINGS MEASURES IN CONGRESSIONAL BUILDINGS.

“(a) IN GENERAL.—The Architect of the Capitol—

“(1) shall develop, update, and implement a cost-effective energy conservation and management plan (referred to in this section as the ‘plan’) for all facilities administered by Congress (referred to in this section as ‘congressional buildings’) to meet the energy performance requirements for Federal buildings established under section 543(a)(1); and

“(2) shall submit the plan to Congress, not later than 180 days after the date of enactment of this section.

“(b) PLAN REQUIREMENTS.—The plan shall include—

“(1) a description of the life cycle cost analysis used to determine the cost-effectiveness of proposed energy efficiency projects;

“(2) a schedule of energy surveys to ensure complete surveys of all congressional buildings every 5 years to determine the

(b) *REVIEW AND REVISION OF ENERGY PERFORMANCE REQUIREMENT.*—Section 543(a) of the National Energy Conservation Policy Act (42 U.S.C. 8253(a)) is further amended by adding at the end the following:

“(3) Not later than December 31, 2014, the Secretary shall review the results of the implementation of the energy performance requirement established under paragraph (1) and submit to Congress recommendations concerning energy performance requirements for fiscal years 2016 through 2025.”.

(c) *EXCLUSIONS.*—Section 543(c)(1) of the National Energy Conservation Policy Act (42 U.S.C. 8253(c)(1)) is amended by striking “An agency may exclude” and all that follows through the end and inserting “(A) An agency may exclude, from the energy performance requirement for a fiscal year established under subsection (a) and the energy management requirement established under subsection (b), any Federal building or collection of Federal buildings, if the head of the agency finds that—

“(i) compliance with those requirements would be impracticable;

“(ii) the agency has completed and submitted all federally required energy management reports;

“(iii) the agency has achieved compliance with the energy efficiency requirements of this Act, the Energy Policy Act of 1992, Executive orders, and other Federal law; and

“(iv) the agency has implemented all practicable, life cycle cost-effective projects with respect to the Federal building or collection of Federal buildings to be excluded.

“(B) A finding of impracticability under subparagraph (A)(i) shall be based on—

“(i) the energy intensiveness of activities carried out in the Federal building or collection of Federal buildings; or

“(ii) the fact that the Federal building or collection of Federal buildings is used in the performance of a national security function.”.

(d) *REVIEW BY SECRETARY.*—Section 543(c)(2) of the National Energy Conservation Policy Act (42 U.S.C. 8253(c)(2)) is amended—

(1) by striking “impracticability standards” and inserting “standards for exclusion”;

(2) by striking “a finding of impracticability” and inserting “the exclusion”; and

(3) by striking “energy consumption requirements” and inserting “requirements of subsections (a) and (b)(1)”.

(e) *CRITERIA.*—Section 543(c) of the National Energy Conservation Policy Act (42 U.S.C. 8253(c)) is further amended by adding at the end the following:

“(3) Not later than 180 days after the date of enactment of this paragraph, the Secretary shall issue guidelines that establish criteria for exclusions under paragraph (1).”.

(f) *RETENTION OF ENERGY AND WATER SAVINGS.*—Section 546 of the National Energy Conservation Policy Act (42 U.S.C. 8256) is amended by adding at the end the following new subsection:

“(e) *RETENTION OF ENERGY AND WATER SAVINGS.*—An agency may retain any funds appropriated to that agency for energy expenditures, water expenditures, or wastewater treatment expenditures, at buildings subject to the requirements of section 543(a) and

waii, divided equally among the States, to demonstrate that the process may be applicable to cane sugar, sugarcane, and sugarcane byproducts;

(B) include information on the ways in which the scale of production may be replicated once the sugar cane industry has located sites for, and constructed, ethanol production facilities; and

(C) not last more than 3 years.

(d) **AUTHORIZATION OF APPROPRIATIONS.**—There is authorized to be appropriated to carry out this section \$36,000,000, to remain available until expended.

SEC. 209. RURAL AND REMOTE COMMUNITY ELECTRIFICATION GRANTS.

The Public Utility Regulatory Policies Act of 1978 (16 U.S.C. 2601 et seq.) is amended in title VI by adding at the end the following:

“SEC. 609. RURAL AND REMOTE COMMUNITIES ELECTRIFICATION GRANTS.

“(a) DEFINITIONS.—In this section:

“(1) The term ‘eligible grantee’ means a local government or municipality, peoples’ utility district, irrigation district, and cooperative, nonprofit, or limited-dividend association in a rural area.

“(2) The term ‘incremental hydropower’ means additional generation achieved from increased efficiency after January 1, 2005, at a hydroelectric dam that was placed in service before January 1, 2005.

“(3) The term ‘renewable energy’ means electricity generated from—

“(A) a renewable energy source; or

“(B) hydrogen, other than hydrogen produced from a fossil fuel, that is produced from a renewable energy source.

“(4) The term ‘renewable energy source’ means—

“(A) wind;

“(B) ocean waves;

“(C) biomass;

“(D) solar

“(E) landfill gas;

“(F) incremental hydropower;

“(G) livestock methane; or

“(H) geothermal energy.

“(5) The term ‘rural area’ means a city, town, or unincorporated area that has a population of not more than 10,000 inhabitants.

“(b) GRANTS.—The Secretary, in consultation with the Secretary of Agriculture and the Secretary of the Interior, may provide grants under this section to eligible grantees for the purpose of—

“(1) increasing energy efficiency, siting or upgrading transmission and distribution lines serving rural areas;; or

“(2) providing or modernizing electric generation facilities that serve rural areas.

“(c) GRANT ADMINISTRATION.—(1) The Secretary shall make grants under this section based on a determination of cost-effectiveness and the most effective use of the funds to achieve the purposes described in subsection (b).

(5) have a director appointed by Boise State University, and associate directors appointed by each participating institution.

(c) *FINANCIAL ASSISTANCE.*—The Secretary, acting through the Idaho National Laboratory and subject to the availability of appropriations, will provide financial assistance to Boise State University for expenditure under contracts with members of the consortium to carry out the activities of the consortium.

Subtitle C—Hydroelectric

SEC. 241. ALTERNATIVE CONDITIONS AND FISHWAYS.

(a) *FEDERAL RESERVATIONS.*—Section 4(e) of the Federal Power Act (16 U.S.C. 797(e)) is amended by inserting after “adequate protection and utilization of such reservation.” at the end of the first proviso the following: “The license applicant and any party to the proceeding shall be entitled to a determination on the record, after opportunity for an agency trial-type hearing of no more than 90 days, on any disputed issues of material fact with respect to such conditions. All disputed issues of material fact raised by any party shall be determined in a single trial-type hearing to be conducted by the relevant resource agency in accordance with the regulations promulgated under this subsection and within the time frame established by the Commission for each license proceeding. Within 90 days of the date of enactment of the Energy Policy Act of 2005, the Secretaries of the Interior, Commerce, and Agriculture shall establish jointly, by rule, the procedures for such expedited trial-type hearing, including the opportunity to undertake discovery and cross-examine witnesses, in consultation with the Federal Energy Regulatory Commission.”

(b) *FISHWAYS.*—Section 18 of the Federal Power Act (16 U.S.C. 811) is amended by inserting after “and such fishways as may be prescribed by the Secretary of Commerce.” the following: “The license applicant and any party to the proceeding shall be entitled to a determination on the record, after opportunity for an agency trial-type hearing of no more than 90 days, on any disputed issues of material fact with respect to such fishways. All disputed issues of material fact raised by any party shall be determined in a single trial-type hearing to be conducted by the relevant resource agency in accordance with the regulations promulgated under this subsection and within the time frame established by the Commission for each license proceeding. Within 90 days of the date of enactment of the Energy Policy Act of 2005, the Secretaries of the Interior, Commerce, and Agriculture shall establish jointly, by rule, the procedures for such expedited trial-type hearing, including the opportunity to undertake discovery and cross-examine witnesses, in consultation with the Federal Energy Regulatory Commission.”

(c) *ALTERNATIVE CONDITIONS AND PRESCRIPTIONS.*—Part I of the Federal Power Act (16 U.S.C. 791a et seq.) is amended by adding the following new section at the end thereof:

“SEC. 33. ALTERNATIVE CONDITIONS AND PRESCRIPTIONS.

“(a) *ALTERNATIVE CONDITIONS.*—(1) Whenever any person applies for a license for any project works within any reservation of the United States, and the Secretary of the department under whose

supervision such reservation falls (referred to in this subsection as the ‘Secretary’) deems a condition to such license to be necessary under the first proviso of section 4(e), the license applicant or any other party to the license proceeding may propose an alternative condition.

“(2) Notwithstanding the first proviso of section 4(e), the Secretary shall accept the proposed alternative condition referred to in paragraph (1), and the Commission shall include in the license such alternative condition, if the Secretary determines, based on substantial evidence provided by the license applicant, any other party to the proceeding, or otherwise available to the Secretary, that such alternative condition—

“(A) provides for the adequate protection and utilization of the reservation; and

“(B) will either, as compared to the condition initially by the Secretary—

“(i) cost significantly less to implement; or

“(ii) result in improved operation of the project works for electricity production.

“(3) In making a determination under paragraph (2), the Secretary shall consider evidence provided for the record by any party to a licensing proceeding, or otherwise available to the Secretary, including any evidence provided by the Commission, on the implementation costs or operational impacts for electricity production of a proposed alternative.

“(4) The Secretary concerned shall submit into the public record of the Commission proceeding with any condition under section 4(e) or alternative condition it accepts under this section, a written statement explaining the basis for such condition, and reason for not accepting any alternative condition under this section. The written statement must demonstrate that the Secretary gave equal consideration to the effects of the condition adopted and alternatives not accepted on energy supply, distribution, cost, and use; flood control; navigation; water supply; and air quality (in addition to the preservation of other aspects of environmental quality); based on such information as may be available to the Secretary, including information voluntarily provided in a timely manner by the applicant and others. The Secretary shall also submit, together with the aforementioned written statement, all studies, data, and other factual information available to the Secretary and relevant to the Secretary’s decision.

“(5) If the Commission finds that the Secretary’s final condition would be inconsistent with the purposes of this part, or other applicable law, the Commission may refer the dispute to the Commission’s Dispute Resolution Service. The Dispute Resolution Service shall consult with the Secretary and the Commission and issue a non-binding advisory within 90 days. The Secretary may accept the Dispute Resolution Service advisory unless the Secretary finds that the recommendation will not adequately protect the reservation. The Secretary shall submit the advisory and the Secretary’s final written determination into the record of the Commission’s proceeding.

“(b) ALTERNATIVE PRESCRIPTIONS.—(1) Whenever the Secretary of the Interior or the Secretary of Commerce prescribes a fishway under section 18, the license applicant or any other party to the li-

cense proceeding may propose an alternative to such prescription to construct, maintain, or operate a fishway.

“(2) Notwithstanding section 18, the Secretary of the Interior or the Secretary of Commerce, as appropriate, shall accept and prescribe, and the Commission shall require, the proposed alternative referred to in paragraph (1), if the Secretary of the appropriate department determines, based on substantial evidence provided by the license applicant, any other party to the proceeding, or otherwise available to the Secretary, that such alternative—

“(A) will be no less protective than the fishway initially prescribed by the Secretary; and

“(B) will either, as compared to the fishway initially prescribed by the Secretary—

“(i) cost significantly less to implement; or

“(ii) result in improved operation of the project works for electricity production.

“(3) In making a determination under paragraph (2), the Secretary shall consider evidence provided for the record by any party to a licensing proceeding, or otherwise available to the Secretary, including any evidence provided by the Commission, on the implementation costs or operational impacts for electricity production of a proposed alternative.

“(4) The Secretary concerned shall submit into the public record of the Commission proceeding with any prescription under section 18 or alternative prescription it accepts under this section, a written statement explaining the basis for such prescription, and reason for not accepting any alternative prescription under this section. The written statement must demonstrate that the Secretary gave equal consideration to the effects of the prescription adopted and alternatives not accepted on energy supply, distribution, cost, and use; flood control; navigation; water supply; and air quality (in addition to the preservation of other aspects of environmental quality); based on such information as may be available to the Secretary, including information voluntarily provided in a timely manner by the applicant and others. The Secretary shall also submit, together with the aforementioned written statement, all studies, data, and other factual information available to the Secretary and relevant to the Secretary’s decision.

“(5) If the Commission finds that the Secretary’s final prescription would be inconsistent with the purposes of this part, or other applicable law, the Commission may refer the dispute to the Commission’s Dispute Resolution Service. The Dispute Resolution Service shall consult with the Secretary and the Commission and issue a non-binding advisory within 90 days. The Secretary may accept the Dispute Resolution Service advisory unless the Secretary finds that the recommendation will not adequately protect the fish resources. The Secretary shall submit the advisory and the Secretary’s final written determination into the record of the Commission’s proceeding.”

SEC. 242. HYDROELECTRIC PRODUCTION INCENTIVES.

(a) **INCENTIVE PAYMENTS.**—For electric energy generated and sold by a qualified hydroelectric facility during the incentive period, the Secretary shall make, subject to the availability of appropriations, incentive payments to the owner or operator of such facility. The amount of such payment made to any such owner or operator

shall be as determined under subsection (e) of this section. Payments under this section may only be made upon receipt by the Secretary of an incentive payment application which establishes that the applicant is eligible to receive such payment and which satisfies such other requirements as the Secretary deems necessary. Such application shall be in such form, and shall be submitted at such time, as the Secretary shall establish.

(b) **DEFINITIONS.**—For purposes of this section:

(1) **QUALIFIED HYDROELECTRIC FACILITY.**—The term “qualified hydroelectric facility” means a turbine or other generating device owned or solely operated by a non-Federal entity which generates hydroelectric energy for sale and which is added to an existing dam or conduit.

(2) **EXISTING DAM OR CONDUIT.**—The term “existing dam or conduit” means any dam or conduit the construction of which was completed before the date of the enactment of this section and which does not require any construction or enlargement of impoundment or diversion structures (other than repair or reconstruction) in connection with the installation of a turbine or other generating device.

(3) **CONDUIT.**—The term “conduit” has the same meaning as when used in section 30(a)(2) of the Federal Power Act (16 U.S.C. 823a(a)(2)).

The terms defined in this subsection shall apply without regard to the hydroelectric kilowatt capacity of the facility concerned, without regard to whether the facility uses a dam owned by a governmental or nongovernmental entity, and without regard to whether the facility begins operation on or after the date of the enactment of this section.

(c) **ELIGIBILITY WINDOW.**—Payments may be made under this section only for electric energy generated from a qualified hydroelectric facility which begins operation during the period of 10 fiscal years beginning with the first full fiscal year occurring after the date of enactment of this subtitle.

(d) **INCENTIVE PERIOD.**—A qualified hydroelectric facility may receive payments under this section for a period of 10 fiscal years (referred to in this section as the “incentive period”). Such period shall begin with the fiscal year in which electric energy generated from the facility is first eligible for such payments.

(e) **AMOUNT OF PAYMENT.**—

(1) **IN GENERAL.**—Payments made by the Secretary under this section to the owner or operator of a qualified hydroelectric facility shall be based on the number of kilowatt hours of hydroelectric energy generated by the facility during the incentive period. For any such facility, the amount of such payment shall be 1.8 cents per kilowatt hour (adjusted as provided in paragraph (2)), subject to the availability of appropriations under subsection (g), except that no facility may receive more than \$750,000 in 1 calendar year.

(2) **ADJUSTMENTS.**—The amount of the payment made to any person under this section as provided in paragraph (1) shall be adjusted for inflation for each fiscal year beginning after calendar year 2005 in the same manner as provided in the provisions of section 29(d)(2)(B) of the Internal Revenue Code of

1986, except that in applying such provisions the calendar year 2005 shall be substituted for calendar year 1979.

(f) **SUNSET.**—No payment may be made under this section to any qualified hydroelectric facility after the expiration of the period of 20 fiscal years beginning with the first full fiscal year occurring after the date of enactment of this subtitle, and no payment may be made under this section to any such facility after a payment has been made with respect to such facility for a period of 10 fiscal years.

(g) **AUTHORIZATION OF APPROPRIATIONS.**—There are authorized to be appropriated to the Secretary to carry out the purposes of this section \$10,000,000 for each of the fiscal years 2006 through 2015.

SEC. 243. HYDROELECTRIC EFFICIENCY IMPROVEMENT.

(a) **INCENTIVE PAYMENTS.**—The Secretary shall make incentive payments to the owners or operators of hydroelectric facilities at existing dams to be used to make capital improvements in the facilities that are directly related to improving the efficiency of such facilities by at least 3 percent.

(b) **LIMITATIONS.**—Incentive payments under this section shall not exceed 10 percent of the costs of the capital improvement concerned and not more than 1 payment may be made with respect to improvements at a single facility. No payment in excess of \$750,000 may be made with respect to improvements at a single facility.

(c) **AUTHORIZATION OF APPROPRIATIONS.**—There are authorized to be appropriated to carry out this section not more than \$10,000,000 for each of the fiscal years 2006 through 2015.

SEC. 244. ALASKA STATE JURISDICTION OVER SMALL HYDROELECTRIC PROJECTS.

Section 32 of the Federal Power Act (16 U.S.C. 823c) is amended—

(1) in subsection (a)(3)(C), by inserting “except as provided in subsection (j),” before “conditions”; and

(2) by adding at the end the following:

“(j) **FISH AND WILDLIFE.**—If the State of Alaska determines that a recommendation under subsection (a)(3)(C) is inconsistent with paragraphs (1) and (2) of subsection (a), the State of Alaska may decline to adopt all or part of the recommendations in accordance with the procedures established under section 10(j)(2).”.

SEC. 245. FLINT CREEK HYDROELECTRIC PROJECT.

(a) **EXTENSION OF TIME.**—Notwithstanding the time period specified in section 5 of the Federal Power Act (16 U.S.C. 798) that would otherwise apply to the Federal Energy Regulatory Commission (referred to in this section as the “Commission”) project numbered 12107, the Commission shall—

(1) if the preliminary permit is in effect on the date of enactment of this Act, extend the preliminary permit for a period of 3 years beginning on the date on which the preliminary permit expires; or

(2) if the preliminary permit expired before the date of enactment of this Act, on request of the permittee, reinstate the preliminary permit for an additional 3-year period beginning on the date of enactment of this Act.

(b) **LIMITATION ON CERTAIN FEES.**—Notwithstanding section 10(e)(1) of the Federal Power Act (16 U.S.C. 803(e)(1)) or any other

provision of Federal law providing for the payment to the United States of charges for the use of Federal land for the purposes of operating and maintaining a hydroelectric development licensed by the Commission, any political subdivision of the State of Montana that holds a Commission license for the Commission project numbered 12107 in Granite and Deer Lodge Counties, Montana, shall be required to pay to the United States for the use of that land for each year during which the political subdivision continues to hold the license for the project, the lesser of—

- (1) \$25,000; or
- (2) such annual charge as the Commission or any other department or agency of the Federal Government may assess.

SEC. 246. SMALL HYDROELECTRIC POWER PROJECTS.

Section 408(a)(6) of the Public Utility Regulatory Policies Act of 1978 (16 U.S.C. 2708(a)(6)) is amended by striking “April 20, 1977” and inserting “July 22, 2005”.

Subtitle D—Insular Energy

SEC. 251. INSULAR AREAS ENERGY SECURITY.

Section 604 of the Act entitled “An Act to authorize appropriations for certain insular areas of the United States, and for other purposes”, approved December 24, 1980 (48 U.S.C. 1492), is amended—

(1) in subsection (a)(4) by striking the period and inserting a semicolon;

(2) by adding at the end of subsection (a) the following new paragraphs:

“(5) electric power transmission and distribution lines in insular areas are inadequate to withstand damage caused by the hurricanes and typhoons which frequently occur in insular areas and such damage often costs millions of dollars to repair; and

“(6) the refinement of renewable energy technologies since the publication of the 1982 Territorial Energy Assessment prepared pursuant to subsection (c) reveals the need to reassess the state of energy production, consumption, infrastructure, reliance on imported energy, opportunities for energy conservation and increased energy efficiency, and indigenous sources in regard to the insular areas.”;

(3) by amending subsection (e) to read as follows:

“(e)(1) The Secretary of the Interior, in consultation with the Secretary of Energy and the head of government of each insular area, shall update the plans required under subsection (c) by—

“(A) updating the contents required by subsection (c);

“(B) drafting long-term energy plans for such insular areas with the objective of reducing, to the extent feasible, their reliance on energy imports by the year 2012, increasing energy conservation and energy efficiency, and maximizing, to the extent feasible, use of indigenous energy sources; and

“(C) drafting long-term energy transmission line plans for such insular areas with the objective that the maximum percentage feasible of electric power transmission and distribution

SEC. 351. PRESERVATION OF GEOLOGICAL AND GEOPHYSICAL DATA.

(a) *SHORT TITLE.*—This section may be cited as the “National Geological and Geophysical Data Preservation Program Act of 2005”.

(b) *PROGRAM.*—The Secretary shall carry out a National Geological and Geophysical Data Preservation Program in accordance with this section—

(1) to archive geologic, geophysical, and engineering data, maps, well logs, and samples;

(2) to provide a national catalog of such archival material; and

(3) to provide technical and financial assistance related to the archival material.

(c) *PLAN.*—Not later than 1 year after the date of enactment of this Act, the Secretary shall submit to Congress a plan for the implementation of the Program.

(d) *DATA ARCHIVE SYSTEM.*—

(1) *ESTABLISHMENT.*—The Secretary shall establish, as a component of the Program, a data archive system to provide for the storage, preservation, and archiving of subsurface, surface, geological, geophysical, and engineering data and samples. The Secretary, in consultation with the Advisory Committee, shall develop guidelines relating to the data archive system, including the types of data and samples to be preserved.

(2) *SYSTEM COMPONENTS.*—The system shall be comprised of State agencies that elect to be part of the system and agencies within the Department of the Interior that maintain geological and geophysical data and samples that are designated by the Secretary in accordance with this subsection. The Program shall provide for the storage of data and samples through data repositories operated by such agencies.

(3) *LIMITATION OF DESIGNATION.*—The Secretary may not designate a State agency as a component of the data archive system unless that agency is the agency that acts as the geological survey in the State.

(4) *DATA FROM FEDERAL LAND.*—The data archive system shall provide for the archiving of relevant subsurface data and samples obtained from Federal land—

(A) in the most appropriate repository designated under paragraph (2), with preference being given to archiving data in the State in which the data were collected; and

(B) consistent with all applicable law and requirements relating to confidentiality and proprietary data.

(e) *NATIONAL CATALOG.*—

(1) *IN GENERAL.*—As soon as practicable after the date of enactment of this Act, the Secretary shall develop and maintain, as a component of the Program, a national catalog that identifies—

(A) data and samples available in the data archive system established under subsection (d);

(B) the repository for particular material in the system; and

(C) the means of accessing the material.

(2) *AVAILABILITY.*—The Secretary shall make the national catalog accessible to the public on the site of the Survey on the Internet, consistent with all applicable requirements related to confidentiality and proprietary data.

(f) *ADVISORY COMMITTEE.*—

(1) *IN GENERAL.*—The Advisory Committee shall advise the Secretary on planning and implementation of the Program.

(2) *NEW DUTIES.*—In addition to its duties under the National Geologic Mapping Act of 1992 (43 U.S.C. 31a et seq.), the Advisory Committee shall perform the following duties:

(A) Advise the Secretary on developing guidelines and procedures for providing assistance for facilities under subsection (g)(1).

(B) Review and critique the draft implementation plan prepared by the Secretary under subsection (c).

(C) Identify useful studies of data archived under the Program that will advance understanding of the Nation's energy and mineral resources, geologic hazards, and engineering geology.

(D) Review the progress of the Program in archiving significant data and preventing the loss of such data, and the scientific progress of the studies funded under the Program.

(E) Include in the annual report to the Secretary required under section 5(b)(3) of the National Geologic Mapping Act of 1992 (43 U.S.C. 31d(b)(3)) an evaluation of the progress of the Program toward fulfilling the purposes of the Program under subsection (b).

(g) *FINANCIAL ASSISTANCE.*—

(1) *ARCHIVE FACILITIES.*—Subject to the availability of appropriations, the Secretary shall provide financial assistance to a State agency that is designated under subsection (d)(2) for providing facilities to archive energy material.

(2) *STUDIES.*—Subject to the availability of appropriations, the Secretary shall provide financial assistance to any State agency designated under subsection (d)(2) for studies and technical assistance activities that enhance understanding, interpretation, and use of materials archived in the data archive system established under subsection (d).

(3) *FEDERAL SHARE.*—The Federal share of the cost of an activity carried out with assistance under this subsection shall be not more than 50 percent of the total cost of the activity.

(4) *PRIVATE CONTRIBUTIONS.*—The Secretary shall apply to the non-Federal share of the cost of an activity carried out with assistance under this subsection the value of private contributions of property and services used for that activity.

(h) *REPORT.*—The Secretary shall include in each report under section 8 of the National Geologic Mapping Act of 1992 (43 U.S.C. 31g)—

(1) a description of the status of the Program;

(2) an evaluation of the progress achieved in developing the Program during the period covered by the report; and

(3) any recommendations for legislative or other action the Secretary considers necessary and appropriate to fulfill the purposes of the Program under subsection (b).

(i) *MAINTENANCE OF STATE EFFORT.*—It is the intent of Congress that the States not use this section as an opportunity to reduce State resources applied to the activities that are the subject of the Program.

(j) *DEFINITIONS.*—In this section:

(1) *ADVISORY COMMITTEE.*—The term “Advisory Committee” means the advisory committee established under section 5 of the National Geologic Mapping Act of 1992 (43 U.S.C. 31d).

(2) *PROGRAM.*—The term “Program” means the National Geological and Geophysical Data Preservation Program carried out under this section.

(3) *SECRETARY.*—The term “Secretary” means the Secretary of the Interior, acting through the Director of the United States Geological Survey.

(4) *SURVEY.*—The term “Survey” means the United States Geological Survey.

(k) *AUTHORIZATION OF APPROPRIATIONS.*—There are authorized to be appropriated to carry out this section \$30,000,000 for each of fiscal years 2006 through 2010.

SEC. 352. OIL AND GAS LEASE ACREAGE LIMITATIONS.

Section 27(d)(1) of the Mineral Leasing Act (30 U.S.C. 184(d)(1)) is amended by inserting after “acreage held in special tar sand areas” the following: “, and acreage under any lease any portion of which has been committed to a federally approved unit or cooperative plan or communitization agreement or for which royalty (including compensatory royalty or royalty in-kind) was paid in the preceding calendar year,”.

SEC. 353. GAS HYDRATE PRODUCTION INCENTIVE.

(a) *PURPOSE.*—The purpose of this section is to promote natural gas production from the natural gas hydrate resources on the outer Continental Shelf and Federal lands in Alaska by providing royalty incentives.

(b) *SUSPENSION OF ROYALTIES.*—

(1) *IN GENERAL.*—The Secretary may grant royalty relief in accordance with this section for natural gas produced from gas hydrate resources under an eligible lease.

(2) *ELIGIBLE LEASES.*—A lease shall be an eligible lease for purposes of this section if—

(A) it is issued under the Outer Continental Shelf Lands Act (43 U.S.C. 1331 et seq.), or is an oil and gas lease issued for onshore Federal lands in Alaska;

(B) it is issued prior to January 1, 2016; and

(C) production under the lease of natural gas from gas hydrate resources commences prior to January 1, 2018.

(3) *AMOUNT OF RELIEF.*—The Secretary shall conduct a rulemaking and grant royalty relief under this section as a suspension volume if the Secretary determines that such royalty relief would encourage production of natural gas from gas hydrate resources from an eligible lease. The maximum suspension volume shall be 30 billion cubic feet of natural gas per lease. Such relief shall be in addition to any other royalty relief under any other provision applicable to the lease that does not specifically grant a gas hydrate production incentive. Such royalty suspension volume shall be applied to any eligible produc-

“(3) the quantity of resources not produced or introduced into commerce because of the restrictions.”;

(2) in subsection (b)—

(A) by striking “reserve” and inserting “resource”; and

(B) by striking “publically” and inserting “publicly”;

and

(3) by striking subsection (d) and inserting the following:

“(d) **ASSESSMENTS.**—Using the inventory, the Secretary of Energy shall make periodic assessments of economically recoverable resources accounting for a range of parameters such as current costs, commodity prices, technology, and regulations.”.

(b) **METHODOLOGY.**—The Secretary of the Interior shall use the same assessment methodology across all geological provinces, areas, and regions in preparing and issuing national geological assessments to ensure accurate comparisons of geological resources.

SEC. 365. PILOT PROJECT TO IMPROVE FEDERAL PERMIT COORDINATION.

(a) **ESTABLISHMENT.**—The Secretary of the Interior (referred to in this section as the “Secretary”) shall establish a Federal Permit Streamlining Pilot Project (referred to in this section as the “Pilot Project”).

(b) **MEMORANDUM OF UNDERSTANDING.**—

(1) **IN GENERAL.**—Not later than 90 days after the date of enactment of this Act, the Secretary shall enter into a memorandum of understanding for purposes of this section with—

(A) the Secretary of Agriculture;

(B) the Administrator of the Environmental Protection Agency; and

(C) the Chief of Engineers.

(2) **STATE PARTICIPATION.**—The Secretary may request that the Governors of Wyoming, Montana, Colorado, Utah, and New Mexico be signatories to the memorandum of understanding.

(c) **DESIGNATION OF QUALIFIED STAFF.**—

(1) **IN GENERAL.**—Not later than 30 days after the date of the signing of the memorandum of understanding under subsection (b), all Federal signatory parties shall, if appropriate, assign to each of the field offices identified in subsection (d) an employee who has expertise in the regulatory issues relating to the office in which the employee is employed, including, as applicable, particular expertise in—

(A) the consultations and the preparation of biological opinions under section 7 of the Endangered Species Act of 1973 (16 U.S.C. 1536);

(B) permits under section 404 of Federal Water Pollution Control Act (33 U.S.C. 1344);

(C) regulatory matters under the Clean Air Act (42 U.S.C. 7401 et seq.);

(D) planning under the National Forest Management Act of 1976 (16 U.S.C. 472a et seq.); and

(E) the preparation of analyses under the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.).

(2) **DUTIES.**—Each employee assigned under paragraph (1) shall—

(A) not later than 90 days after the date of assignment, report to the Bureau of Land Management Field Managers in the office to which the employee is assigned;

(B) be responsible for all issues relating to the jurisdiction of the home office or agency of the employee; and

(C) participate as part of the team of personnel working on proposed energy projects, planning, and environmental analyses.

(d) *FIELD OFFICES.*—The following Bureau of Land Management Field Offices shall serve as the Pilot Project offices:

(1) Rawlins, Wyoming.

(2) Buffalo, Wyoming.

(3) Miles City, Montana

(4) Farmington, New Mexico.

(5) Carlsbad, New Mexico.

(6) Grand Junction / Glenwood Springs, Colorado.

(7) Vernal, Utah.

(e) *REPORTS.*—Not later than 3 years after the date of enactment of this Act, the Secretary shall submit to Congress a report that—

(1) outlines the results of the Pilot Project to date; and

(2) makes a recommendation to the President regarding whether the Pilot Project should be implemented throughout the United States.

(f) *ADDITIONAL PERSONNEL.*—The Secretary shall assign to each field office identified in subsection (d) any additional personnel that are necessary to ensure the effective implementation of—

(1) the Pilot Project; and

(2) other programs administered by the field offices, including inspection and enforcement relating to energy development on Federal land, in accordance with the multiple use mandate of the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1701 et seq).

(g) *PERMIT PROCESSING IMPROVEMENT FUND.*—Section 35 of the Mineral Leasing Act (30 U.S.C. 191) is amended by adding at the end the following:

“(c)(1) Notwithstanding the first sentence of subsection (a), any rentals received from leases in any State (other than the State of Alaska) on or after the date of enactment of this subsection shall be deposited in the Treasury, to be allocated in accordance with paragraph (2).

“(2) Of the amounts deposited in the Treasury under paragraph (1)—

“(A) 50 percent shall be paid by the Secretary of the Treasury to the State within the boundaries of which the leased land is located or the deposits were derived; and

“(B) 50 percent shall be deposited in a special fund in the Treasury, to be known as the ‘BLM Permit Processing Improvement Fund’ (referred to in this subsection as the ‘Fund’).

“(3) For each of fiscal years 2006 through 2015, the Fund shall be available to the Secretary of the Interior for expenditure, without further appropriation and without fiscal year limitation, for the coordination and processing of oil and gas use authorizations on on-shore Federal land under the jurisdiction of the Pilot Project offices identified in section 365(d) of the Energy Policy Act of 2005.”

(h) *TRANSFER OF FUNDS.*—For the purposes of coordination and processing of oil and gas use authorizations on Federal land under the administration of the Pilot Project offices identified in subsection (d), the Secretary may authorize the expenditure or transfer of such funds as are necessary to—

- (1) the United States Fish and Wildlife Service;
- (2) the Bureau of Indian Affairs;
- (3) the Forest Service;
- (4) the Environmental Protection Agency;
- (5) the Corps of Engineers; and
- (6) the States of Wyoming, Montana, Colorado, Utah, and New Mexico.

(i) *FEES.*—During the period in which the Pilot Project is authorized, the Secretary shall not implement a rulemaking that would enable an increase in fees to recover additional costs related to processing drilling-related permit applications and use authorizations.

(j) *SAVINGS PROVISION.*—Nothing in this section affects—

- (1) the operation of any Federal or State law; or
- (2) any delegation of authority made by the head of a Federal agency whose employees are participating in the Pilot Project.

SEC. 366. DEADLINE FOR CONSIDERATION OF APPLICATIONS FOR PERMITS.

Section 17 of the Mineral Leasing Act (30 U.S.C. 226) is amended by adding at the end the following:

“(p) **DEADLINES FOR CONSIDERATION OF APPLICATIONS FOR PERMITS.**—

“(1) **IN GENERAL.**—Not later than 10 days after the date on which the Secretary receives an application for any permit to drill, the Secretary shall—

“(A) notify the applicant that the application is complete; or

“(B) notify the applicant that information is missing and specify any information that is required to be submitted for the application to be complete.

“(2) **ISSUANCE OR DEFERRAL.**—Not later than 30 days after the applicant for a permit has submitted a complete application, the Secretary shall—

“(A) issue the permit, if the requirements under the National Environmental Policy Act of 1969 and other applicable law have been completed within such timeframe; or

“(B) defer the decision on the permit and provide to the applicant a notice—

“(i) that specifies any steps that the applicant could take for the permit to be issued; and

“(ii) a list of actions that need to be taken by the agency to complete compliance with applicable law together with timelines and deadlines for completing such actions.

“(3) **REQUIREMENTS FOR DEFERRED APPLICATIONS.**—

“(A) **IN GENERAL.**—If the Secretary provides notice under paragraph (2)(B), the applicant shall have a period of 2 years from the date of receipt of the notice in which to complete all requirements specified by the Secretary, in-

cluding providing information needed for compliance with the National Environmental Policy Act of 1969.

“(B) **ISSUANCE OF DECISION ON PERMIT.**—If the applicant completes the requirements within the period specified in subparagraph (A), the Secretary shall issue a decision on the permit not later than 10 days after the date of completion of the requirements described in subparagraph (A), unless compliance with the National Environmental Policy Act of 1969 and other applicable law has not been completed within such timeframe.

“(C) **DENIAL OF PERMIT.**—If the applicant does not complete the requirements within the period specified in subparagraph (A) or if the applicant does not comply with applicable law, the Secretary shall deny the permit.”.

SEC. 367. FAIR MARKET VALUE DETERMINATIONS FOR LINEAR RIGHTS-OF-WAY ACROSS PUBLIC LANDS AND NATIONAL FORESTS.

(a) **UPDATE OF FEE SCHEDULE.**—Not later than one year after the date of enactment of this section—

(1) the Secretary of the Interior shall update section 2806.20 of title 43, Code of Federal Regulations, as in effect on the date of enactment of this section, to revise the per acre rental fee zone value schedule by State, county, and type of linear right-of-way use to reflect current values of land in each zone; and

(2) the Secretary of Agriculture shall make the same revision for linear rights-of-way granted, issued, or renewed under title V of the Federal Lands Policy and Management Act of 1976 (43 U.S.C. 1761 et seq.) on National Forest System land.

(b) **FAIR MARKET VALUE RENTAL DETERMINATION FOR LINEAR RIGHTS-OF-WAY.**—The fair market value rent of a linear right-of-way across public lands or National Forest System lands issued under section 504 of the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1764) or section 28 of the Mineral Leasing Act (30 U.S.C. 185) shall be determined in accordance with subpart 2806 of title 43, Code of Federal Regulations, as in effect on the date of enactment of this section (including the annual or periodic updates specified in the regulations) and as updated in accordance with subsection (a).

SEC. 368. ENERGY RIGHT-OF-WAY CORRIDORS ON FEDERAL LAND.

(a) **WESTERN STATES.**—Not later than 2 years after the date of enactment of this Act, the Secretary of Agriculture, the Secretary of Commerce, the Secretary of Defense, the Secretary of Energy, and the Secretary of the Interior (in this section referred to collectively as “the Secretaries”), in consultation with the Federal Energy Regulatory Commission, States, tribal or local units of governments as appropriate, affected utility industries, and other interested persons, shall consult with each other and shall—

(1) designate, under their respective authorities, corridors for oil, gas, and hydrogen pipelines and electricity transmission and distribution facilities on Federal land in the eleven contiguous Western States (as defined in section 103(o) of the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1702(o)));

(2) perform any environmental reviews that may be required to complete the designation of such corridors; and

subparagraphs (D) and (E) of paragraph (2), including provisions for review of transactions, reports, site inspections, and any other review activities the Secretary determines to be appropriate; and

“(D) provisions describing final agency actions after exhaustion of administrative appeals from determinations of the Secretary under paragraph (7).

“(f) **NO EFFECT ON OTHER LAW.**—Nothing in this section affects the application of—

“(1) any Federal environmental law;

“(2) the Surface Mining Control and Reclamation Act of 1977 (30 U.S.C. 1201 *et seq.*); or

“(3) except as otherwise provided in this title, the Indian Mineral Development Act of 1982 (25 U.S.C. 2101 *et seq.*).

“(g) **AUTHORIZATION OF APPROPRIATIONS.**—There are authorized to be appropriated to the Secretary such sums as are necessary for each of fiscal years 2006 through 2016 to carry out this section and to make grants or provide other appropriate assistance to Indian tribes to assist the Indian tribes in developing and implementing tribal energy resource agreements in accordance with this section.

“SEC. 2605. FEDERAL POWER MARKETING ADMINISTRATIONS.

“(a) **DEFINITIONS.**—In this section:

“(1) The term ‘Administrator’ means the Administrator of the Bonneville Power Administration and the Administrator of the Western Area Power Administration.

“(2) The term ‘power marketing administration’ means—

“(A) the Bonneville Power Administration;

“(B) the Western Area Power Administration; and

“(C) any other power administration the power allocation of which is used by or for the benefit of an Indian tribe located in the service area of the administration.

“(b) **ENCOURAGEMENT OF INDIAN TRIBAL ENERGY DEVELOPMENT.**—Each Administrator shall encourage Indian tribal energy development by taking such actions as the Administrators determine to be appropriate, including administration of programs of the power marketing administration, in accordance with this section.

“(c) **ACTION BY ADMINISTRATORS.**—In carrying out this section, in accordance with laws in existence on the date of enactment of the Energy Policy Act of 2005—

“(1) each Administrator shall consider the unique relationship that exists between the United States and Indian tribes;

“(2) power allocations from the Western Area Power Administration to Indian tribes may be used to meet firming and reserve needs of Indian-owned energy projects on Indian land;

“(3) the Administrator of the Western Area Power Administration may purchase non-federally generated power from Indian tribes to meet the firming and reserve requirements of the Western Area Power Administration; and

“(4) each Administrator shall not—

“(A) pay more than the prevailing market price for an energy product; or

“(B) obtain less than prevailing market terms and conditions.

“(d) **ASSISTANCE FOR TRANSMISSION SYSTEM USE.**—

“(1) An Administrator may provide technical assistance to Indian tribes seeking to use the high-voltage transmission system for delivery of electric power.

“(2) The costs of technical assistance provided under paragraph (1) shall be funded—

“(A) by the Secretary of Energy using nonreimbursable funds appropriated for that purpose; or

“(B) by any appropriate Indian tribe.

“(e) **POWER ALLOCATION STUDY.**—Not later than 2 years after the date of enactment of the Energy Policy Act of 2005, the Secretary of Energy shall submit to Congress a report that—

“(1) describes the use by Indian tribes of Federal power allocations of the power marketing administration (or power sold by the Southwestern Power Administration) to or for the benefit of Indian tribes in a service area of the power marketing administration; and

“(2) identifies—

“(A) the quantity of power allocated to, or used for the benefit of, Indian tribes by the Western Area Power Administration;

“(B) the quantity of power sold to Indian tribes by any other power marketing administration; and

“(C) barriers that impede tribal access to and use of Federal power, including an assessment of opportunities to remove those barriers and improve the ability of power marketing administrations to deliver Federal power.

“(f) **AUTHORIZATION OF APPROPRIATIONS.**—There are authorized to be appropriated to carry out this section \$750,000, non-reimbursable, to remain available until expended.

“SEC. 2606. WIND AND HYDROPOWER FEASIBILITY STUDY.

“(a) **STUDY.**—The Secretary of Energy, in coordination with the Secretary of the Army and the Secretary, shall conduct a study of the cost and feasibility of developing a demonstration project that uses wind energy generated by Indian tribes and hydropower generated by the Army Corps of Engineers on the Missouri River to supply firming power to the Western Area Power Administration.

“(b) **SCOPE OF STUDY.**—The study shall—

“(1) determine the economic and engineering feasibility of blending wind energy and hydropower generated from the Missouri River dams operated by the Army Corps of Engineers, including an assessment of the costs and benefits of blending wind energy and hydropower compared to current sources used for firming power to the Western Area Power Administration;

“(2) review historical and projected requirements for, patterns of availability and use of, and reasons for historical patterns concerning the availability of firming power;

“(3) assess the wind energy resource potential on tribal land and projected cost savings through a blend of wind and hydropower over a 30-year period;

“(4) determine seasonal capacity needs and associated transmission upgrades for integration of tribal wind generation and identify costs associated with these activities;

“(5) include an independent tribal engineer and a Western Area Power Administration customer representative as study team members; and

“(6) incorporate, to the extent appropriate, the results of the Dakotas Wind Transmission study prepared by the Western Area Power Administration.

“(c) *REPORT.*—Not later than 1 year after the date of enactment of the Energy Policy Act of 2005, the Secretary of Energy, the Secretary and the Secretary of the Army shall submit to Congress a report that describes the results of the study, including—

“(1) an analysis and comparison of the potential energy cost or benefits to the customers of the Western Area Power Administration through the use of combined wind and hydropower;

“(2) an economic and engineering evaluation of whether a combined wind and hydropower system can reduce reservoir fluctuation, enhance efficient and reliable energy production, and provide Missouri River management flexibility;

“(3) if found feasible, recommendations for a demonstration project to be carried out by the Western Area Power Administration, in partnership with an Indian tribal government or tribal energy resource development organization, and Western Area Power Administration customers to demonstrate the feasibility and potential of using wind energy produced on Indian land to supply firming energy to the Western Area Power Administration; and

“(4) an identification of—

“(A) the economic and environmental costs of, or benefits to be realized through, a Federal-tribal-customer partnership; and

“(B) the manner in which a Federal-tribal-customer partnership could contribute to the energy security of the United States.

“(d) *FUNDING.*—

“(1) *AUTHORIZATION OF APPROPRIATIONS.*—There is authorized to be appropriated to carry out this section \$1,000,000, to remain available until expended.

“(2) *NONREIMBURSABILITY.*—Costs incurred by the Secretary in carrying out this section shall be nonreimbursable.”.

(b) *CONFORMING AMENDMENTS.*—The table of contents for the Energy Policy Act of 1992 is amended by striking the items relating to title XXVI and inserting the following:

“Sec. 2601. Definitions.

“Sec. 2602. Indian tribal energy resource development.

“Sec. 2603. Indian tribal energy resource regulation.

“Sec. 2604. Leases, business agreements, and rights-of-way involving energy development or transmission.

“Sec. 2605. Federal Power Marketing Administrations.

“Sec. 2606. Wind and hydropower feasibility study.”.

SEC. 504. CONSULTATION WITH INDIAN TRIBES.

In carrying out this title and the amendments made by this title, the Secretary and the Secretary of the Interior shall, as appropriate and to the maximum extent practicable, involve and consult with Indian tribes.

SEC. 505. FOUR CORNERS TRANSMISSION LINE PROJECT AND ELECTRIFICATION.

(a) *TRANSMISSION LINE PROJECT.*—The Dine Power Authority, an enterprise of the Navajo Nation, shall be eligible to receive grants and other assistance under section 217 of the Department of

(c) *PLAN.*—

(1) *DEVELOPMENT OF PLAN.*—Not later than 1 year after the date of enactment of this Act, the Secretary shall prepare and transmit to Congress a research plan describing how the program authorized pursuant to this section will be undertaken to accomplish the program goals established in subsection (b).

(2) *REVIEW OF PLAN.*—The Secretary shall contract with the National Academy of Sciences to review the research plan developed under this subsection. The Secretary shall transmit the review to Congress not later than 18 months after transmittal of the research plan under paragraph (1), along with the Secretary's response to the recommendations contained in the review.

(d) *USER FACILITIES AND ANCILLARY EQUIPMENT.*—Within the funds authorized to be appropriated pursuant to this subtitle, amounts shall be available for projects to develop, plan, construct, acquire, or operate special equipment, instrumentation, or facilities, including user facilities at National Laboratories, for researchers conducting research, development, demonstration, and commercial application in systems biology and proteomics and associated biological disciplines.

(e) *PROHIBITION ON BIOMEDICAL AND HUMAN CELL AND HUMAN SUBJECT RESEARCH.*—

(1) *NO BIOMEDICAL RESEARCH.*—In carrying out the program under this section, the Secretary shall not conduct biomedical research.

(2) *LIMITATIONS.*—Nothing in this section shall authorize the Secretary to conduct any research or demonstrations—

(A) on human cells or human subjects; or

(B) designed to have direct application with respect to human cells or human subjects.

SEC. 978. FISSION AND FUSION ENERGY MATERIALS RESEARCH PROGRAM.

(a) *IN GENERAL.*—Along with the budget request of the President submitted to Congress for fiscal year 2007, the Secretary shall establish a research and development program on material science issues presented by advanced fission reactors and the fusion energy program of the Department.

(b) *ADMINISTRATION.*—In carrying out the program, the Secretary shall develop—

(1) a catalog of material properties required for applications described in subsection (a);

(2) theoretical models for materials possessing the required properties;

(3) benchmark models against existing data; and

(4) a roadmap to guide further research and development in the area covered by the program.

SEC. 979. ENERGY AND WATER SUPPLIES.

(a) *IN GENERAL.*—The Secretary shall carry out a program of research, development, demonstration, and commercial application to—

(1) address energy-related issues associated with provision of adequate water supplies, optimal management, and efficient use of water;

(2) address water-related issues associated with the provision of adequate supplies, optimal management, and efficient use of energy; and

(3) assess the effectiveness of existing programs within the Department and other Federal agencies to address these energy and water related issues.

(b) PROGRAM ELEMENTS.—The program under this section shall include—

(1) arsenic treatment;

(2) desalination; and

(3) planning, analysis, and modeling of energy and water supply and demand.

(c) COLLABORATION.—In carrying out this section, the Secretary shall consult with the Administrator of the Environmental Protection Agency, the Secretary of the Interior, the Chief Engineer of the Army Corps of Engineers, the Secretary of Commerce, the Secretary of Defense, and other Federal agencies as appropriate.

(d) FACILITIES.—The Secretary may utilize all existing facilities within the Department and may design and construct additional facilities as needed to carry out the purposes of this program.

(e) ADVISORY COMMITTEE.—The Secretary shall establish or utilize an advisory committee to provide independent advice and review of the program.

(f) REPORTS.—Not later than 2 years after the date of enactment of this Act, the Secretary shall submit to Congress a report on the assessment described in subsection (b) and recommendations for future actions.

SEC. 980. SPALLATION NEUTRON SOURCE.

(a) DEFINITIONS.—In this section:

(1) SING.—The term “SING” means the Spallation Neutron Source Instruments Next Generation major item of equipment.

(2) SNS POWER UPGRADE.—The term “SNS power upgrade” means the Spallation Neutron Source power upgrade described in the 20-year facilities plan of the Office of Science of the Department.

(3) SNS SECOND TARGET STATION.—The term “SNS second target station” the Spallation Neutron Source second target station described in the 20-year facilities plan of the Office of Science of the Department.

(4) SPALLATION NEUTRON SOURCE FACILITY.—The terms “Spallation Neutron Source Facility” and “Facility” mean the completed Spallation Neutron Source scientific user facility located at Oak Ridge National Laboratory, Oak Ridge, Tennessee.

(5) SPALLATION NEUTRON SOURCE PROJECT.—The terms “Spallation Neutron Source Project” and “Project” means Department Project 99-E-334, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

(b) SPALLATION NEUTRON SOURCE PROJECT.—

(1) IN GENERAL.—The Secretary shall submit to Congress, as part of the annual budget request of the President submitted to Congress, a report on progress on the Spallation Neutron Source Project.

(2) CONTENTS.—The report shall include for the Project—
(A) a description of the achievement of milestones;

(B) any recommendations of the Federal Trade Commission.

(2) *EVALUATION AND ANALYSIS.*—On completion of the evaluation and analysis under subsection (b), the Secretary shall submit to Congress a report that describes—

(A) the results of the evaluation and analysis; and

(B) any recommendations of the National Petroleum Council.

SEC. 1810. ALASKA NATURAL GAS PIPELINE.

Not later than 180 days after the date of enactment of this Act, and every 180 days thereafter until the Alaska natural gas pipeline commences operation, the Federal Energy Regulatory Commission shall submit to Congress a report describing—

(1) the progress made in licensing and constructing the pipeline; and

(2) any issue impeding that progress.

SEC. 1811. COAL BED METHANE STUDY.

(a) *STUDY.*—

(1) *IN GENERAL.*—The Secretary of the Interior, in consultation with the Administrator of the Environmental Protection Agency, shall enter into an arrangement under which the National Academy of Sciences shall conduct a study on the effect of coalbed natural gas production on surface and ground water resources, including ground water aquifers, in the States of Montana, Wyoming, Colorado, New Mexico, North Dakota, and Utah.

(2) *MATTERS TO BE ADDRESSED.*—The study shall address the effectiveness of—

(A) the management of coal bed methane produced water;

(B) the use of best management practices; and

(C) various production techniques for coal bed methane natural gas in minimizing impacts on water resources.

(b) *DATA ANALYSIS.*—The study shall analyze available hydrologic, geologic and water quality data, along with—

(1) production techniques, produced water management techniques, best management practices, and other factors that can mitigate effects of coal bed methane development;

(2) the costs associated with mitigation techniques;

(3) effects on surface or ground water resources, including drinking water, associated with surface or subsurface disposal of waters produced during extraction of coal bed methane; and

(4) any other significant effects on surface or ground water resources associated with production of coal-bed methane.

(c) *RECOMMENDATIONS.*—The study shall analyze the effectiveness of current mitigation practices of coal bed methane produced water handling in relation to existing Federal and State laws and regulations, and make recommendations as to changes, if any, to Federal law necessary to address adverse impacts to surface or ground water resources associated with coal bed methane development.

(d) *COMPLETION OF STUDY.*—The National Academy of Sciences shall submit the findings and recommendations of the study to the Secretary of the Interior and the Administrator of the Environ-

mental Protection Agency within 12 months after the date of enactment of this Act, and shall upon completion make the results of the study available to the public.

(e) *REPORT TO CONGRESS.*—The Secretary of the Interior and the Administrator of the Environmental Protection Agency, after consulting with States, shall report to the Congress within 6 months after receiving the results of the study on—

- (1) the findings and recommendations of the study;
- (2) the agreement or disagreement of the Secretary of the Interior and the Administrator of the Environmental Protection Agency with each of its findings and recommendations; and
- (3) any recommended changes in funding to address the effects of coal bed methane production on surface and ground water resources.

SEC. 1812. BACKUP FUEL CAPABILITY STUDY.

(a) *STUDY.*—

(1) *IN GENERAL.*—The Secretary shall conduct a study of the effect of obtaining and maintaining liquid and other fuel backup capability at—

- (A) gas-fired power generation facilities; and
- (B) other gas-fired industrial facilities.

(2) *CONTENTS.*—The study under paragraph (1) shall address—

(A) the costs and benefits of adding a different fuel capability to a power gas-fired power generating or industrial facility, taking into consideration regional differences;

(B) methods of the Federal Government and State governments to encourage gas-fired power generators and industries to develop the capability to power the facilities using a backup fuel;

(C) the effect on the supply and cost of natural gas of—

(i) a balanced portfolio of fuel choices in power generation and industrial applications; and

(ii) State regulations that permit agencies in the State to carry out policies that encourage the use of other backup fuels in gas-fired power generation; and

(D) changes required in the Clean Air Act (42 U.S.C. 7401 et seq.) to allow natural gas generators to add clean backup fuel capabilities.

(b) *REPORT TO CONGRESS.*—Not later than 1 year after the date of enactment of this Act, the Secretary shall submit to Congress a report on the results of the study under subsection (a), including recommendations regarding future activity of the Federal Government relating to backup fuel capability.

SEC. 1813. INDIAN LAND RIGHTS-OF-WAY.

(a) *STUDY.*—

(1) *IN GENERAL.*—The Secretary and the Secretary of the Interior (referred to in this section as the “Secretaries”) shall jointly conduct a study of issues regarding energy rights-of-way on tribal land (as defined in section 2601 of the Energy Policy Act of 1992 (as amended by section 503)) (referred to in this section as “tribal land”).

(2) *CONSULTATION.*—In conducting the study under paragraph (1), the Secretaries shall consult with Indian tribes, the

(A) information and education programs for State and local officials (including planning officials) on the potential for energy savings through planning, design, development, and infrastructure decisions;

(B) incorporation of location efficiency models in transportation infrastructure planning and investments; and

(C) transportation policies and strategies to help transportation planners manage the demand for the number and length of vehicle trips, including trips that increase the viability of other means of travel; and

(4) such other considerations relating to the study topic as the National Academy of Sciences finds appropriate.

(c) *REPORT.*—Not later than 2 years after the date of enactment of this Act, the National Academy of Sciences shall submit to the Secretary and Congress a report on the study conducted under this section.

SEC. 1828. SCIENCE STUDY ON CUMULATIVE IMPACTS OF MULTIPLE OFFSHORE LIQUEFIED NATURAL GAS FACILITIES.

(a) *IN GENERAL.*—The Secretary (in consultation with the National Oceanic Atmospheric Administration, the Commandant of the Coast Guard, affected recreational and commercial fishing industries, and affected energy and transportation stakeholders) shall carry out a study and compile existing science (including studies and data) to determine the risks or benefits presented by cumulative impacts of multiple offshore liquefied natural gas facilities reasonably assumed to be constructed in an area of the Gulf of Mexico using the open-rack vaporization system.

(b) *ACCURACY.*—In carrying out subsection (a), the Secretary shall verify the accuracy of available science and develop a science-based evaluation of significant short-term and long-term cumulative impacts, both adverse and beneficial, of multiple offshore liquefied natural gas facilities reasonably assumed to be constructed in an area of the Gulf of Mexico using or proposing the open-rack vaporization system on the fisheries and marine populations in the vicinity of the facility.

SEC. 1829. ENERGY AND WATER SAVING MEASURES IN CONGRESSIONAL BUILDINGS.

(a) *IN GENERAL.*—The Architect of the Capitol, as part of the process of updating the Master Plan Study for the Capitol complex, shall—

(1) carry out a study to evaluate the energy infrastructure of the Capitol complex to determine how to augment the infrastructure to become more energy efficient—

(A) by using unconventional and renewable energy resources;

(B) by—

(i) incorporating new technologies to implement effective green building solutions;

(ii) adopting computer-based building management systems; and

(iii) recommending strategies based on end-user behavioral changes to implement low-cost environmental gains; and

(C) in a manner that would enable the Capitol complex to have reliable utility service in the event of power fluctuations, shortages, or outages;

(2) carry out a study to explore the feasibility of installing energy and water conservation measures on the rooftop of the Dirksen Senate Office Building, including the area directly above the food service facilities in the center of the building, including the installation of—

(A) a vegetative covering area, using native species to the maximum extent practicable, to—

(i) insulate and increase the energy efficiency of the building;

(ii) reduce precipitation runoff and conserve water for landscaping or other uses;

(iii) increase, and provide more efficient use of, available outdoor space through management of the rooftop of the center of the building as a park or garden area for occupants of the building; and

(iv) improve the aesthetics of the building; and

(B) onsite renewable energy and other state-of-the-art technologies to—

(i) improve the energy efficiency and energy security of the building of the Capitol complex by providing additional or backup sources of power in the event of a power shortage or other emergency;

(ii) reduce the use of resources by the building; or

(iii) enhance worker productivity; and

(C) not later than 180 days after the date of enactment of this Act, submit to Congress a report describing the findings and recommendations of the study under subparagraph (B).

(b) **AUTHORIZATION OF APPROPRIATIONS.**—There is authorized to be appropriated to the Architect of the Capitol to carry out this section \$2,000,000 for each of fiscal years 2006 through 2010.

SEC. 1830. STUDY OF AVAILABILITY OF SKILLED WORKERS.

(a) **IN GENERAL.**—The Secretary shall enter into an arrangement with the National Academy of Sciences under which the National Academy of Sciences shall conduct a study of the short-term and long-term availability of skilled workers to meet the energy and mineral security requirements of the United States.

(b) **INCLUSIONS.**—The study shall include an analysis of—

(1) the need for and availability of workers for the oil, gas, and mineral industries;

(2) the availability of skilled labor at both entry level and more senior levels; and

(3) recommendations for future actions needed to meet future labor requirements.

(c) **REPORT.**—Not later than 2 years after the date of enactment of this Act, the Secretary shall submit to Congress a report that describes the results of the study.

SEC. 1831. REVIEW OF ENERGY POLICY ACT OF 1992 PROGRAMS.

(a) **IN GENERAL.**—Not later than 180 days after the date of enactment of this section, the Secretary shall complete a study to de-

termine the effect that titles III, IV, and V of the Energy Policy Act of 1992 (42 U.S.C. 13211 et seq.) have had on—

- (1) the development of alternative fueled vehicle technology;
- (2) the availability of that technology in the market; and
- (3) the cost of alternative fueled vehicles.

(b) TOPICS.—As part of the study under subsection (a), the Secretary shall specifically identify—

(1) the number of alternative fueled vehicles acquired by fleets or covered persons required to acquire alternative fueled vehicles;

(2) the quantity, by type, of alternative fuel actually used in alternative fueled vehicles acquired by fleets or covered persons;

(3) the quantity of petroleum displaced by the use of alternative fuels in alternative fueled vehicles acquired by fleets or covered persons;

(4) the direct and indirect costs of compliance with requirements under titles III, IV, and V of the Energy Policy Act of 1992 (42 U.S.C. 13211 et seq.), including—

(A) vehicle acquisition requirements imposed on fleets or covered persons;

(B) administrative and recordkeeping expenses;

(C) fuel and fuel infrastructure costs;

(D) associated training and employee expenses; and

(E) any other factors or expenses the Secretary determines to be necessary to compile reliable estimates of the overall costs and benefits of complying with programs under those titles for fleets, covered persons, and the national economy;

(5) the existence of obstacles preventing compliance with vehicle acquisition requirements and increased use of alternative fuel in alternative fueled vehicles acquired by fleets or covered persons; and

(6) the projected impact of amendments to the Energy Policy Act of 1992 made by this title.

(c) REPORT.—Upon completion of the study under this section, the Secretary shall submit to Congress a report that describes the results of the study and includes any recommendations of the Secretary for legislative or administrative changes concerning the alternative fueled vehicle requirements under titles III, IV and V of the Energy Policy Act of 1992 (42 U.S.C. 13211 et seq.).

SEC. 1832. STUDY ON THE BENEFITS OF ECONOMIC DISPATCH.

(a) STUDY.—The Secretary, in coordination and consultation with the States, shall conduct a study on—

(1) the procedures currently used by electric utilities to perform economic dispatch;

(2) identifying possible revisions to those procedures to improve the ability of nonutility generation resources to offer their output for sale for the purpose of inclusion in economic dispatch; and

(3) the potential benefits to residential, commercial, and industrial electricity consumers nationally and in each state if economic dispatch procedures were revised to improve the ability of nonutility generation resources to offer their output for inclusion in economic dispatch.

(b) *DEFINITION.*—The term “economic dispatch” when used in this section means the operation of generation facilities to produce energy at the lowest cost to reliably serve consumers, recognizing any operational limits of generation and transmission facilities.

(c) *REPORT TO CONGRESS AND THE STATES.*—Not later than 90 days after the date of enactment of this Act, and on a yearly basis following, the Secretary shall submit a report to Congress and the States on the results of the study conducted under subsection (a), including recommendations to Congress and the States for any suggested legislative or regulatory changes.

SEC. 1833. RENEWABLE ENERGY ON FEDERAL LAND.

(a) *NATIONAL ACADEMY OF SCIENCES STUDY.*—Not later than 90 days after the date of enactment of this Act, the Secretary of the Interior shall enter into a contract with the National Academy of Sciences under which the National Academy of Sciences shall—

(1) study the potential of developing wind, solar, and ocean energy resources (including tidal, wave, and thermal energy) on Federal land available for those uses under current law and the outer Continental Shelf;

(2) assess any Federal law (including regulations) relating to the development of those resources that is in existence on the date of enactment of this Act; and

(3) recommend statutory and regulatory mechanisms for developing those resources.

(b) *SUBMISSION TO CONGRESS.*—Not later than 2 years after the date of enactment of this Act, the Secretary of the Interior shall submit to Congress the results of the study under subsection (a).

SEC. 1834. INCREASED HYDROELECTRIC GENERATION AT EXISTING FEDERAL FACILITIES.

(a) *IN GENERAL.*—The Secretary of the Interior, the Secretary, and the Secretary of the Army shall jointly conduct a study of the potential for increasing electric power production capability at federally owned or operated water regulation, storage, and conveyance facilities.

(b) *CONTENT.*—The study under this section shall include identification and description in detail of each facility that is capable, with or without modification, of producing additional hydroelectric power, including estimation of the existing potential for the facility to generate hydroelectric power.

(c) *REPORT.*—The Secretaries shall submit to the Committees on Energy and Commerce, Resources, and Transportation and Infrastructure of the House of Representatives and the Committee on Energy and Natural Resources of the Senate a report on the findings, conclusions, and recommendations of the study under this section by not later than 18 months after the date of the enactment of this Act. The report shall include each of the following:

(1) The identifications, descriptions, and estimations referred to in subsection (b).

(2) A description of activities currently conducted or considered, or that could be considered, to produce additional hydroelectric power from each identified facility.

(3) A summary of prior actions taken by the Secretaries to produce additional hydroelectric power from each identified facility.